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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Sven Enerbäck et al.  
Serial No. : 09/587,945  
Filed : June 6, 2000  
Title : ANIMAL MODEL

Art Unit : 1643  
Examiner : Unknown

Commissioner for Patents  
Washington, D.C. 20231

REVOCATION AND NEW POWER OF ATTORNEY

Under 37 CFR §3.73(b), BIOVITRUM AB (the "Assignee"), a corporation organized and existing under the laws of Sweden, certifies that it is the assignee of 100% of the right, title and interest in the patent identified above by virtue of: an assignment from the inventors of the patent application to Pharmacia & Upjohn AB (recorded in the Patent and Trademark Office on October 12, 2000, at Reel 011171, Frame 0521); and an assignment (a copy of which is enclosed) from Pharmacia AB (formerly named Pharmacia & Upjohn AB) to the Assignee.

The undersigned, whose title is supplied below, is empowered to act on behalf of the Assignee and hereby revokes all powers of attorney previously granted in the application. The undersigned instead appoints: Janis K. Fraser, Registration No. 34,819, Jack Brennan, Registration No. 47,443, John W. Freeman, Registration No. 29,066, J. Peter Fasse, Registration No. 32,983, Timothy A. French, Registration No. 30,175, and Anita L. Meiklejohn, Registration No. 35,283, at Fish & Richardson P.C., 225 Franklin Street, Boston, Massachusetts 02110-2804; and John F. Hayden, Registration No. 37,640 and Ralph A. Mittelberger, Registration No. 33,195, at Fish & Richardson P.C., 601 Thirteenth Street, NW, Washington, D.C., 20005, with full power of substitution and revocation, to prosecute the application and to transact all business in the United States Patent and Trademark Office connected therewith.

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, Washington, D.C. 20231.

April 9, 2002

Date of Deposit

Dawn M. Corey  
Signature

Typed or Printed Name of Person Signing Certificate

Applicant : Sven Enerback, et al.  
Serial No. : 09/587,945  
Filed : June 6, 2000  
Page : 2

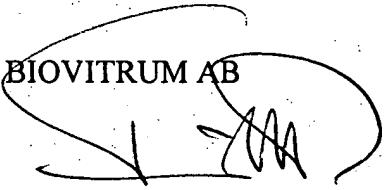
Attorney's Docket No. 13425-036001 / 00083-US

All correspondence regarding the patent should be sent to JANIS K. FRASER at:

FISH & RICHARDSON P.C.  
225 Franklin Street  
Boston, Massachusetts 02110-2804  
Telephone: (617) 542-5070  
Facsimile: (617) 542-8906

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the patent or any patents issued thereon.

Date: 2001-11-20

  
BIOVITRUM AB

Name: FREDRIK BERG

Title: Vice President, General Counsel

ASSIGNMENT

WHEREAS, Pharmacia AB (formerly named Pharmacia & Upjohn AB), a corporation duly organized and existing under the laws of Sweden and having a principal place of business at SE-112 87, Stockholm, Sweden (hereinafter "Assignor"), is the owner of the entire right, title and interest in and to an application for United States Patent entitled *ANIMAL MODEL*, filed June 6, 2000, and assigned U.S. Serial Number 09/587,945 (hereinafter "Patent Application");

WHEREAS, Biovitrum AB, a corporation duly organized and existing under the laws of Sweden and having a principal place of business at SE-112 76, Stockholm, Sweden (hereinafter "Assignee"), is desirous of obtaining the entire right, title and interest in and to the Patent Application;

NOW, THEREFORE, in consideration of one dollar (\$1.00) and other good and valuable considerations paid by Assignee to Assignor, the receipt and sufficiency of which are hereby acknowledged, Assignor hereby sells, assigns and transfers to Assignee, its successors and assignees, the entire right, title and interest in and to the Patent Application, including the right to sue for past infringement thereof.

This assignment includes the Patent Application and any and all United States patent applications and patents for any inventions or improvements that are the subject of the Patent Application.

IN TESTIMONY WHEREOF, Assignor has caused this Assignment to be executed by its duly authorized officers.

Date: 2001-11-20

Pharmacia AB

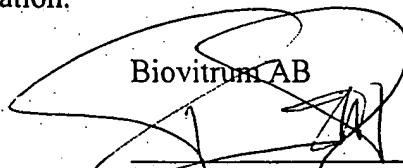
By: Harald Ålm  
Title: Vice President Finance

Date: 2001-11-20

By: Inger Brattne  
Title: Associate General Counsel, Scandinavia

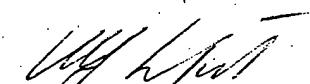
A duly authorized officer of Assignee hereby acknowledges receipt of the entire right, title and interest in and to the Patent Application.

Date: 2001-11-20

  
Biovitrum AB

By: Fredrik Berg  
Title: Vice President, General Counsel

Date: 2001-11-20

  
By: Ulf Lindquist  
Title: Vice President, Site Management

Please type a plus sign (+) inside this box

PTO/SB/122 (10-00)

Approved for use through 10/31/2002. OMB 0651-0035  
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Address to:  
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Application Number	09/587,945
Filing Date	June 6, 2000
First Named Inventor	Sven Enerbäck et al.
Group Art Unit	1635
Examiner Name	Sean McGarry
Attorney Docket Number	13425-036001

Please change the Correspondence Address for the above-identified application to:

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OR

<input checked="" type="checkbox"/> Firm or Individual Name	Janis K. Fraser, Ph.D.		
Address	Fish & Richardson P.C. 225 Franklin Street Boston, Massachusetts 02110-2804		
Country	United States of America		
Telephone	(617) 542-5070	Fax	(617) 542-8906

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I am the :

- Applicant/Inventor.
- Assignee of record of the entire interest.  
Certificate under 37 CFR 3.73(b) is enclosed.
- Attorney or agent of record.
- Registered practitioner named in the application transmittal letter in an application without an executed oath or declaration. See 37 CFR 1.33(a)(1). Registration Number 47,443

Typed or  
Printed Name

Jack Brennan Reg. No. 47,443

Signature

Date

April 9, 2002

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

\*Total of 1 forms are submitted.

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Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

DECLARATION  
and  
POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled **Animal Model**, the specification of which

[ ] is attached hereto.

[X] was filed on June 6, 2000 as  
Application Serial No. 09/587,945  
and was amended on \_\_\_\_\_  
(if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim U.S. provisional application or foreign priority benefits under Title 35, United States Code, §119 of any U.S. provisional applications or any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior U.S. Provisional or Foreign Application(s)			Priority Claimed	
Number	Country	Day/Month/Year Filed	Yes	No
60/190,692	USA	March 20, 2000	X	
9701963-2	Sweden	26 May 1997	X	

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulation, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

09/085,380	May 26, 1998	Pending
(Application Serial No.) (Filing Date)		(Status)
		(patented, pending, abandoned)

(Application Serial No.) (Filing Date)	(Status)
	(patented, pending, abandoned)

I hereby appoint Holly D. Kozlowski, Registration No. 30,468; Ronald J. Snyder, Registration No. 31,062; James D. Liles, Registration No. 28,320; Lynda E. Roesch, Registration No. 29,696; Martin J. Miller, Registration No. 35,953; Jackie A. Zurcher, Registration No. 42,251; John V. Harmeyer, Registration No. 41,815; Scott N. Barker, Registration No. 42,292; Geoffrey L. Oberhaus, Registration No. 42,955; Joseph P. Mehrle, Registration No. 45,535; John P. Colbert, Registration No. 45,765; and Stephen S. Wentsler, Registration No. 46,403, my attorneys, c/o Dinsmore & Shohl LLP, 1900 Chemed Center, 255 East Fifth Street, Cincinnati, Ohio 45202 (513) 977-8200, with full power in each of them, of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

The undersigned hereby authorizes the above-named U.S. attorneys to accept and follow instructions from Pharmacia & Upjohn AB as to any action to be taken in the Patent and Trademark Office regarding this application without direct communication between the undersigned and the aforementioned U.S. attorneys. In the event of a change in the firm or persons from whom instructions may be taken, the aforementioned U.S. attorneys will be so notified in writing by the undersigned.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

\*\*\*\*\*  
Full name of sole or first inventor: Sven Enerbäck

Inventor's signature Sven Enerbäck

17 Sept 09

Date

Residence: Slätthultsliden 13 A, SE-431 96 Mölndal, Sweden

Citizenship: Sweden

Post Office Address: Slätthultsliden 13 A, SE-431 96 Mölndal, Sweden

Full name of second inventor Peter Carlsson

Inventor's signature PC

Sept 15 - 00

Date

Residence: Björnbärvägen 56, SE-448 37 Floda, Sweden

Citizenship:

Post Office Address: Björnbärvägen 56, SE-448 37 Floda, Sweden

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